

Clean Air
Optima®

Airwasher

2in1: Air purifying &
Air humidifying

User's Manual

CA-807





Product Specification

Product Name	Clean Air Optima CA-807
Rated Voltage and Frequency	220V - 230V
Rated Power Consumption	344W(Rapid humidifying) / 44W(Natural humidifying)
Mode	Artificial Intelligence, Sleep, Baby, Health protection
Humidity	400ml/h(Rapid humidifying) / 200ml/h(Natural humidifying)
Water Tank Volume	5 Liter
Continuous Humidifying	12h(Rapid humidifying) / 25h(Natural humidifying)
Suitable for rooms up to	70m ² / 175m ³ / 750ft ²
Weight	6.9kg
Dimension(mm)	391(Width)x238(Length)x444(Height)

※ There may be a little change in dimension to improve the performance of product.

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Caution for the safety

- Make sure to follow the indications below because they are for preventing unexpected risk or damage by using the products exactly.
- Caution related to the safety can be divided as follows depending on the size of expected risk in case of wrongly installing and damage and urgency level of risk.



Warning

In case of serious injury or death caused by the violation of the indication



Caution

In case of slight injury or damaged products caused by the violation of the indication



This picture symbol is the one to raise the awareness about the facts and organization which can pose a risk.



This picture symbol is the one that indicates the ban.



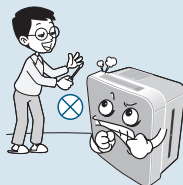
This picture symbol is the one that indicates obligatory compliance.



Warning

Don't disassemble, repair and renovate at all.

- Abnormal operation can result in electric shock, injury and fire.
- Consult with customer service center for repairing.



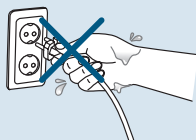
Connect the power after identifying whether the voltage of the product is only for 220V and 60Hz.

- It can cause a fire and electric shock.



**Pull the plug out during the clean-up.
In addition, don't pull out or put into the plug with wet hands.**

- It can cause a fire and electric shock.

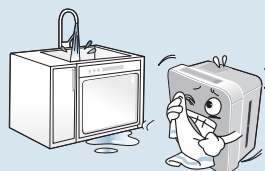


Don't soak the main frame into water or don't spray water on the main frame.

- It can cause electric shock and fire.



Warning



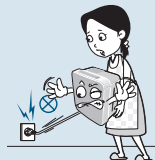


Before using



Don't move the humidifier during its use.

- It can cause errors or electric shock.



Don't put foreign objects such as fingers or metal somewhere into discharge port and suction port.

- In particular, be careful for children not to put their fingers into the part because children can be hurt.



Don't let infants go closer to, touch or manipulate the product.

- It can cause electricity or injury.



Replace the water of the tank with new water.

- Keep the water tank clean by cleaning it up daily and put tap water into water tank.
- You can use tap water.
- Using the product without clean-up can be a major cause of bad smell with fungi or various germs prospering.



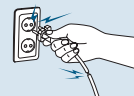
Don't keep the product in the place where direct rays or heater can reach.

- It can cause the deformity, smearing and discoloration.



Don't use it when electrical cord or power plug is damaged or the electric outlet is loose.

- It can cause electric shock, electric short and fire. In case of damaged power cord, inquire it to the place you bought it and customer service center and exchange it with other product.



Don't damage, process, bend by force, pull, twist or tie the cord line. And don't put heavy things over or put heavy things into cord.

- Damaged cord can cause fire and electric shock.



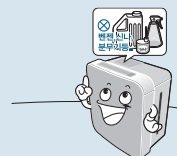
When pulling the plug out, don't hold the cord and make sure to pull the plug out after holding the front of plug. And use it after cleaning up dirt or foreign object in power plug.

- It can cause electric shock or short, triggering fire.



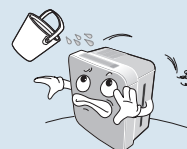
Don't cleaning it with benzene and thinner or don't spray pesticide.

- It can cause the crack, electric shock and fire.



Don't put water into nebulizer

- It can cause errors or injury, fire and electric shock.

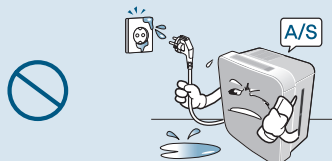


Caution for the safety



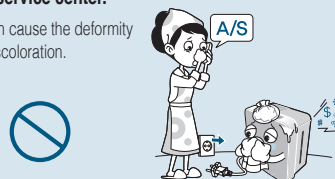
When water is put into power supply part, pull the plug out and contact with service center.

- It can cause electric shock and fire.



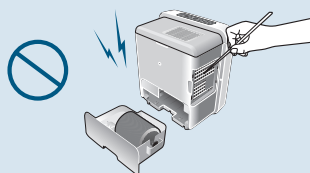
When noise, burning smell and smoke come from the product, immediately cut off the power and contact with service center.

- It can cause the deformity or discoloration.

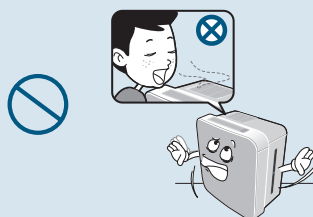


Don't put other foreign subject such as metal into the product inside.

- It can cause electric shock and injury.



Don't take in the humidity from the product directly.



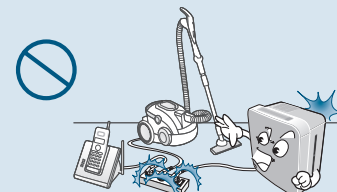
Don't install it in the place which is wet, dirty and the place where water or rainwater can be splashed.

- It can cause electric shock and fire.



Don't use it with the power plug of various products put into one electric outlet at the same time.

- It can cause errors and fire.



When cleaning up, cut off the power and clean it up after the fan stops swinging.

- It can cause electric shock and injury.



Don't sit on or lean against the body frame.

- It can cause the damage.





Caution

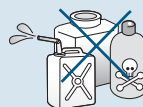
Don't use it in a place where wind blows from window and air conditioner. Avoid the place where humidity from the product can contact with ceiling, wall, furniture, electronic appliance directly.

- It can cause the sensor of the humidity not to work.



When noise, burning smell and smoke come from the product, immediately cut off the power and contact with service center.

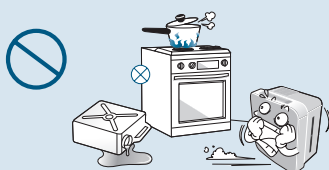
- It can cause deformity or discoloration.



Chlorine, acid type and others

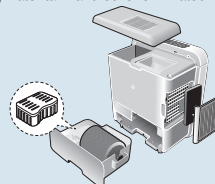
Don't put combustibles, burning cigarette, incense near the product.

- It can cause a fire.



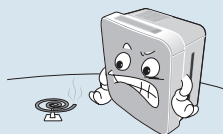
Make sure to put the parts into the original place after clean-up. (Refer to from 19 to 22 page)

- Don't operate it with humidity filter (Rotor), ECO-Air Plus filter, Nano-Zilver Filter, water tank and cover eliminated. It can cause errors.



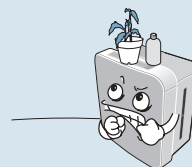
Don't use the product when pesticide of indoor smoking or fuming type is used.

- As the material cumulated in the product can be emit from discharge port, it can harm the health.



Don't put things over the product.

- It can cause injury, electric shock and errors.



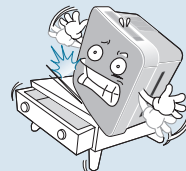
When it is not used for a long time, pull the plug out and dump the water remaining in body frame such as water tank.

- It can cause electric shock and fire.
- Fungi or various germs may increase.



Install the product on the floor which is strong and flat.

- It can cause the product fallen or water spill. Falling product can cause water inside to overflow and it can cause fire or electric shock.

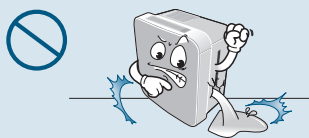


Caution for the safety



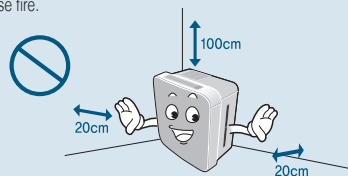
Don't use damaged water tank with no change.

- It can cause water to drop from the product or water to overflow in the water tank, triggering electric shock and errors.



When using the product, don't use with the side with filter and wall facing.

- If the room is not ventilated well, the poor performance can cause fire.



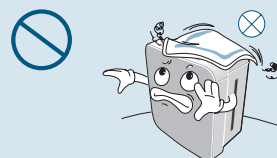
Don't drink the water remaining in the body frame such as water tank.

- It can cause water quality to be worse and cause another unexpected accident.



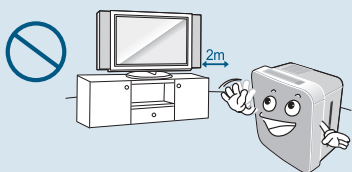
Don't block the discharge port.

- Don't block the discharge port with curtain or towel. It can cause errors.



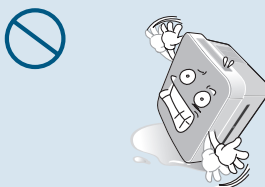
Don't use it near the place where magnetic field is strong such as microwave or TV.

- It can cause the sensor not to work properly.



Don't fall the body frame.

- Use after pull the plug of falling product out and dry it well.



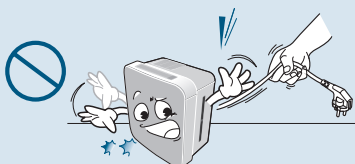
When the product is not used, don't keep it for a long time with water kept in water tank.

- Fungi or various germs may increase.



Don't move the product by pulling power cord.

- It can cause electric shock and fire.





Before using



Caution

Use it after drying completely when water is put into the power supply part.

- It can cause electric shock and fire.

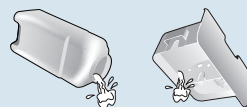


Completely dry!



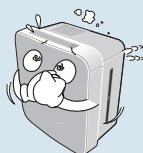
Dump water in case of the concern for freezing.

- When it can be frozen, dump water remaining in body frame such as water tank. Frozen product can cause errors.



Dump the water remaining in body frame such as water tank during its move.

- Moving the product with water remaining in the body frame can cause water to overflow



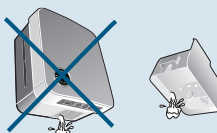
Don't put magnet or metal over the body frame.

- It can cause errors.



Don't drain water remaining in the water tank by holding body frame and drain water by eliminating water tank.

- Water putting into body frame can cause errors.



Clean it up on a regular basis.

- Clean it up according to 'How to clean up'. (Refer to from 19 to 22 pages)
- Serious contamination can cause increasing fungi, bad smell, and low humidity.



Use clean tap water rather than water hot at 40 °C or contaminated with salt, detergent and drug.

- Using water of over 40°C can cause errors of product.



Don't use for the special purpose of preservation and business such as food, art work and academic journal.

- It can cause low quality.



Name and Function of each part

Name of front side and inside part

Operation Part

- Refer to the description of operation part in 11 page.

Part displaying humidity

- Refer to the description of operation part in 11 page.

Window

- Window to see through water tank in the product

Discharge port

- It is the place to discharge evaporative humidity.

Water tank

- Make sure to put just water into it.

Cap of water tank

- Make sure to close it not to leak water.

Humidity filter (Rotor)

- Its surface is coated with water friendly and antibacterial material, which prevents increasing germs in the water and screens out contaminated air in the water through evaporative humidifying.

Nano-Zilver Filter

- It cleans and prevents germs from growing in the water.

Air inlet

- It is the place where dry air is absorbed.

Eco-Air Plus Filter

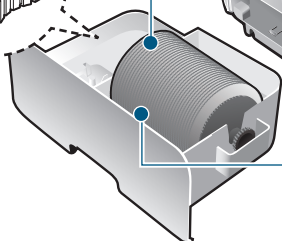
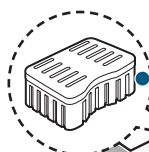
- It has a deodorizing and an antibacterial functions and it filters the contaminated air.

Air inlet cover

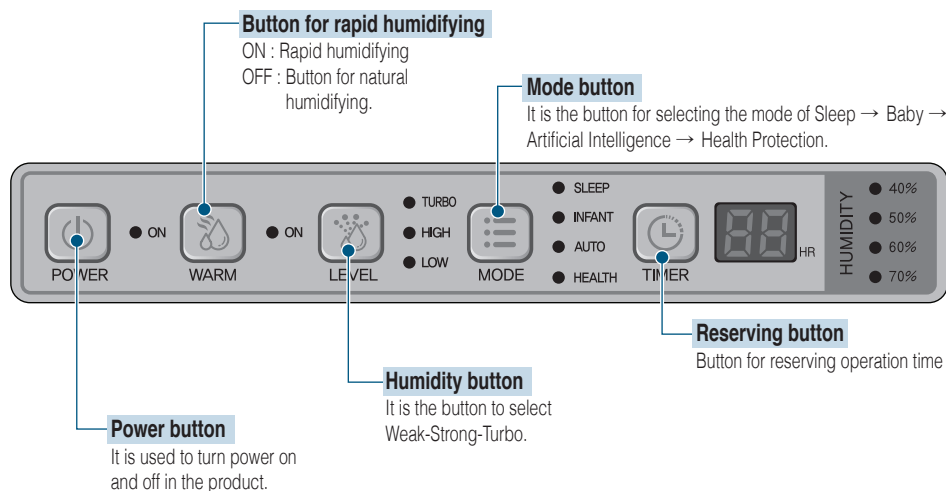
- It is a cover to protect the filter.

Water bassin

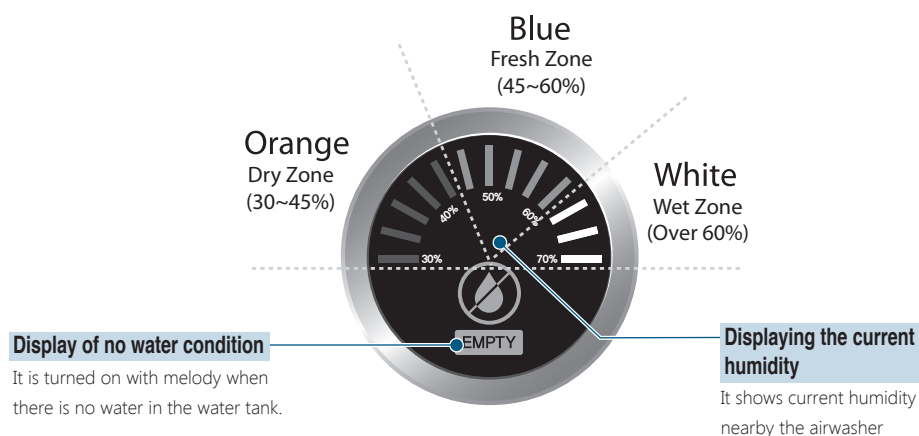
- It is the place whether the humidification filter is submerged and the water is stored.



Operation Part



Part for displaying humidity



How to install

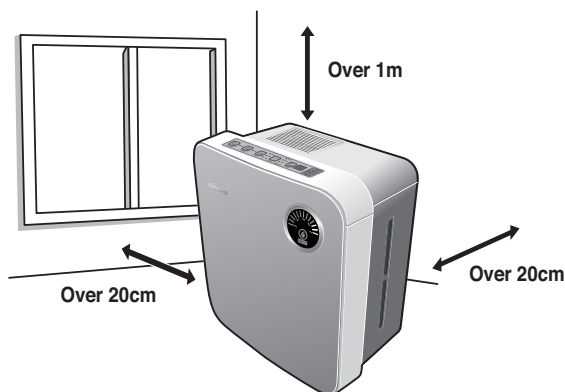
- **The body frame is recommended to install in the place where the floor is strong and flat and the air is circulated well.**

► If the body frame is installed facing the center of the room, more effective air flow can be created.

- Over 1m from the ceiling
- Over 20cm of left and right direction from the wall
- 30cm of the front



Don't block the filter in the side.



- When the body frame moves or is used for a long time, pull the plug out and dump the water from the water tank. (It can cause water to overflow and fungi and various germs to increase.)
- Don't use it with the body frame leaning. It can lead to not working or overflowing.
- Don't install in a condition which can cause suction port or discharge port.
- Install it in a interval of over 2m in AV device such as TV or radio. (It can cause noise if it is close.)
- In a place where electronic wave can be created such as speaker or electronic cooker, sensor for water level cannot work and the time of water supply cannot be told exactly.
- Don't use it next to the place with direct light and heater. It can cause the body frame to be deformed or discolored.
- Install it in a flat place. If it is installed in a slanted place, water sensor can work and the product can stop working.

- **Use it indoor with low humidity.**

► If humidity nearby is high due to the characteristics of the product, the humidity can be reduced.

Caution before using

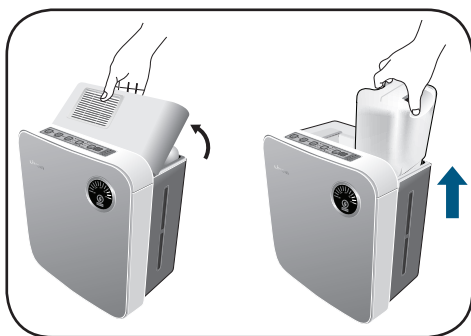
Using



Don't put combustibles into the water tank. It can cause it to burn.

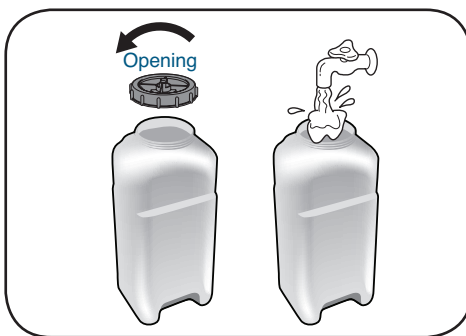
How to supply water • Use it clearly at all times by replacing water with clean water daily.

- ① Open the cap of the water tank and remove the water tank.



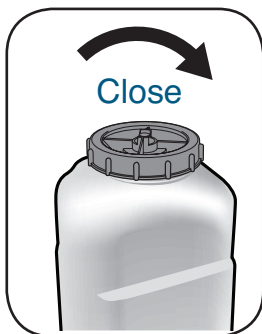
- ② Open the cap of the water tank and put tap water in it.

- In case of separating the water tank part, at first remove the water tank.



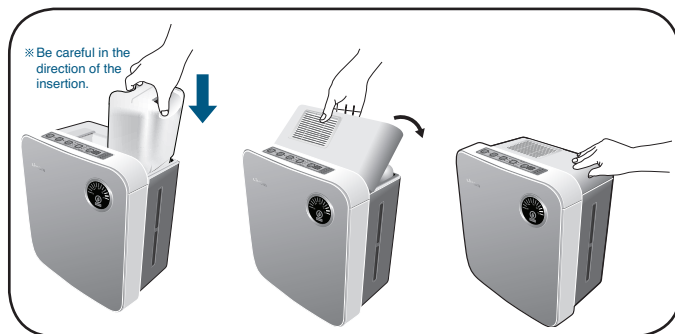
- ③ Close the cap of water tank.

- Make sure to close the cap.



- ④ Close the cover of water tank after the water tank is put into the body frame.

- Insert it in the direction of the part displaying in water tank handle and install it from the front in installing the cover of the water tank.



• Make sure to use tap water of less than 40°C.

• Don't use water containing chemical agent, dirty water, or detergent. • It can cause the deformity and errors.

Notice

Evaporative humidifying system

- **Steam cannot be seen.**

- As it is natural evaporative type without boiling water, the increase cannot be seen.

- **The wind coming from ventilator is not warm.**

- As the air taken in during the evaporation gets rid of the heat, the wind coming from the ventilator is not warm. Depending on the size of the room, it can be felt cold.

- **Rapid humidifying can be set.**

- If rapid humidifying is set, humidity can increase by the method of Hybrid.

- **Depending on the temperature or humidity, humidity can be changed.**

- In case of high room humidity or low temperature, the humidity can change.
- During the operating Manual Mode, if it operates for over 2 hours at over 70% of humidity, humidity can be changed into Weak condition and it operates.
(If the humidity is at less than 60% during the operation, it can return to the normal condition.)



Operating sensor

- **Depending on the humidity nearby, it can work automatically.**

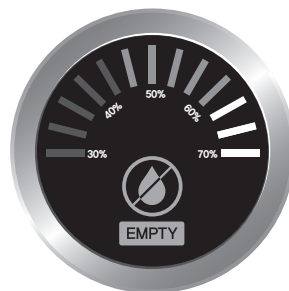
- During the operation, the sensor can keep the optimal humidity in a mode set by sensing current humidity nearby.
- Even in the same indoor, the humidity can be displayed differently depending on the temperature difference or air flow.
- During the initial operation, it can take several minutes to sense the humidity of the near surrounding.

Displaying room humidity

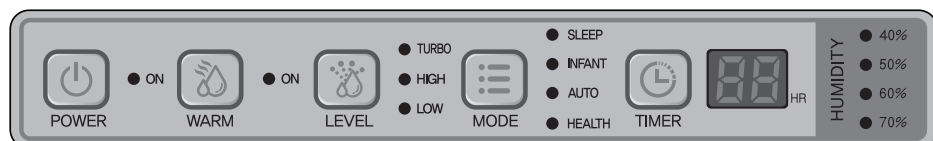
- **It displays the current condition of room humidity in near surrounding.**

- **It can display the humidity measured by humidity sensor in the body frame with 3 colors.**

- It can display the humidity with humidity sensor in the body frame; Orange in dry, Blue in proper humid, White in excessive humid.
- Humidity can be different depending on the place because of temperature difference and air flow.
- It can be different from that of other humidifiers.
- Shortly after the operation, it can be influence by temperature or humidity. So it takes a little time for the displaying of humidity to be stabilized.

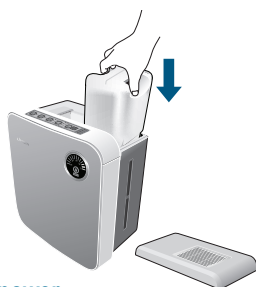


Button for Operation Part



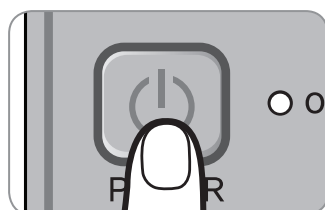
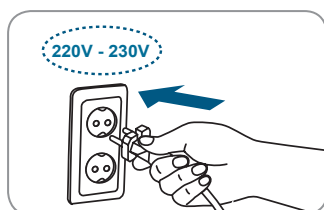
● Put water tank into the body frame.

- ※ It takes about 40 seconds to fill water tank with water after water tank is put into the body frame. Pressing power button with water not filled into water bassin can lead to turning off the display of no water and not working product.



● If power plug is inserted into the outlet for 220V - 230V and power button is pressed, the product can work along with melody.

- Initial setting is kept at [Manual mode/Humidity-Turbo-Co].
- After putting the plug in, create the clean indoor surrounding according to the method of using operation part.
- If you don't use it, keep it with plug pulled out.



Notice

- Remove the water in the tank completely when not using it for a long time.
- If you feel that the air in the discharge port is cold or the water in the tank is seriously reduced, you can feel it in the condition that water is cold or the humidity nearby is high. If you use Rapid Humidity, the humidity can increase by about twice.

How to use

Humidity control

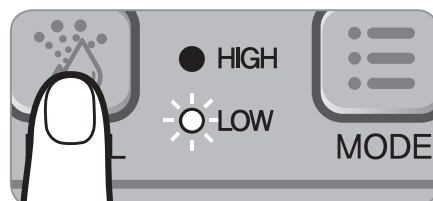
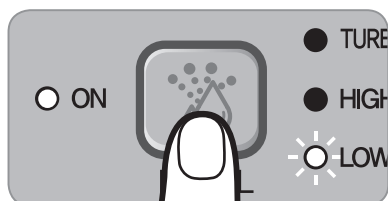


Notice

- In case of less than 30% of initial indoor humidity, select 'Turbo' with the button of humidity and set a rapid humidity. Then you can increase indoor humidity fast.
- Initial setting is kept at Turbo.

- **Press the button of humidity (Level) and control humidity.**

- Press the button of humidity (Level) and Weak → Strong-Turbo can be displayed repeatedly.



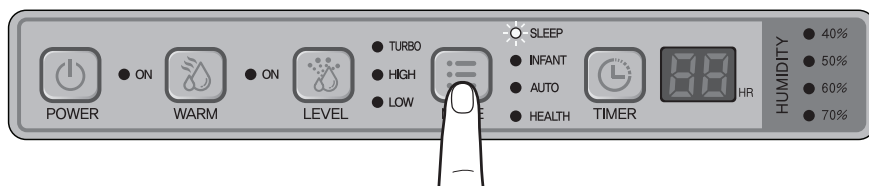
How to use 'Mode'

- **Press the Mode button.**
- **It can be operated in the order of Sleep → Infant → Artificial intelligence → Health protection-Manual.**
 - Press [Humidity][Mode] button and return it to the Manual Mode.
- **If the current humidity is higher than the proper indoor humidity, it can stop humidifying and the fan can work at the Weak condition.**

1. Sleep mode

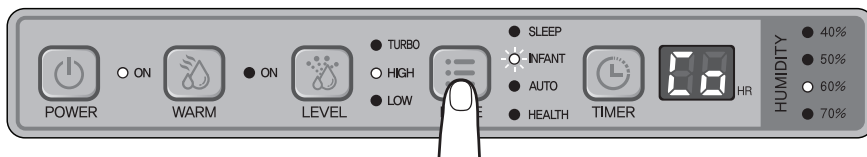
It can be in the condition of low noise which is appropriate to the sleep.

※ All LED OFF and Sleep LED is turned on. Humidity amount works at the 'Weak' operation.



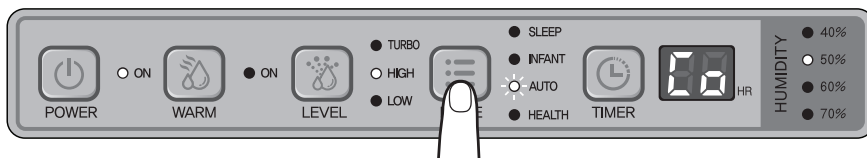
2. Baby Mode

- To keep 66%, humidity proper for baby, the Weak and Strong operation of humidifying can be repeated.



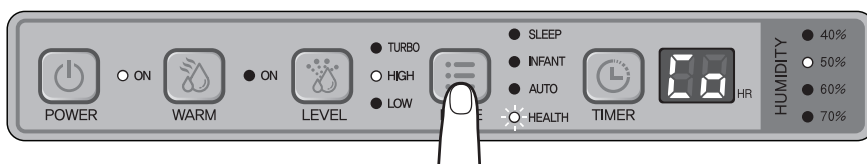
3. Artificial intelligence mode

- To keep 55%, humidity proper for infants, the Turbo, Strong and Weak operation of humidifying can be repeated.



4. Health Protection Mode

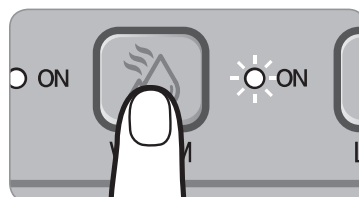
- To keep proper humidity for preventing cold and protecting skin, the Turbo, Strong, and Weak operation of humidifying can be repeated.
- The humidity controlled depending on the temperature nearby can be changed.
- At 10-40°C, the humidity to be kept can be changed to 50-70%.



How to use Rapid Humidity (Warm)

- Use it by pressing Rapid Humidity (Warm) if you want fast humidity**

- It is possible to keep environment clean with humidity increasing by twice.



How to use

How to use 'Reserving Time'

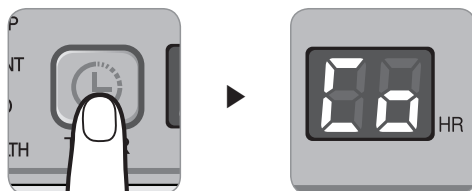


Notice

- Reserving Time can be operated in all modes and in changing mode, Reserving Time can be cancelled.

● Reserve the operation time you want by pressing the button for reserving time.

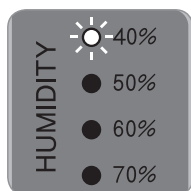
- Press the button for reserving time [Co(continuing) → 1 → 2 → 3 → 4 → 5 → 6 → 7 → 8 → Co (continuing)] can be repetitively displayed.
- In case of set time, humidity stops automatically and standby condition with power LED turning on can be kept.
- If the water is running out, No Water is displayed with melody and humidifying stops.



Displaying the current humidity

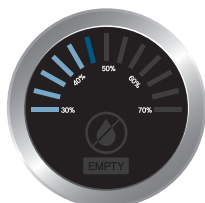
- Depending on the current humidity, LED displaying the current humidity of operation part is turned on.
- Depending on the current humidity, the humidity can be displayed on the part to display humidity.

Operation part



- 40% is displayed in case of less than 49% current humidity.
- 50% is displayed in case of 50-69% current humidity.
- 60% is displayed in case of 60-69% current humidity.
- 70% is displayed in case of more than 70% current humidity.

Part to display humidity



- The range to display LED Bar per one level is as follows;

30% range	40% range	50% range	60% range
30%~33%	40%~43%	50%~53%	60%~63%
34%~36%	44%~46%	54%~56%	64%~66%
37%~39%	47%~49%	57%~59%	67%~69%

How to clean

Using



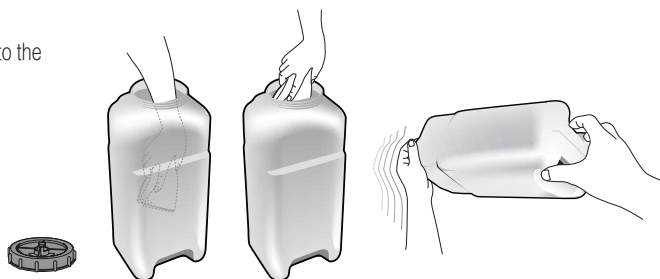
Make sure to pull the plug out.

※ **Make sure to clean up regularly.** If the pollution is serious, it can cause the product to lower the performance or to be broken down and the smell to be emitted.

Water tank (every day)

- **Shake the water tank filled with water 4 or 5 times after closing the cap of the water tank.**

- Don't add chemical agents.
- Clean up often by putting hands into the water tank.



Body frame (if contaminated)

- **Wipe it out after wetting and wringing out soft cloth by diluting the concentration of neutral detergent for kitchen. Lastly wipe it out with dry towel.**

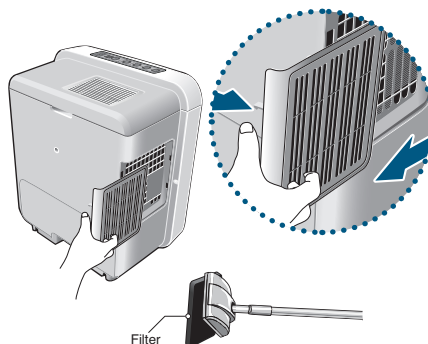
- Don't use benzene, thinner, alkaline detergent, and powdered detergent to prevent deformity and discoloration.



ECO-Air Plus filter

- **It's recommended to clean it once a week for more pleasant humidification.**

- Remove dust on the surface of ECO-Air Plus Filter using a cleaner or a soft brush.
- Do not clean the ECO-Air Plus filter with water. If it is cleaned with water, it may lead to bad performance.
- Do not use it without the ECO-Air Plus filter.
- Exchange the Nano-Zilver filter 1x per year
Exchange the ECO-Air Filter 1x per 6 months



Where to order?

<https://www.cleanairoptima.com/accessoires/mg/44/>

How to clean up

Clean water tank part twice in a week.

- If you don't remove the water from water tank after using and the condition is left, the color of the water is changed or the water stinks.

① Remove the cover of water tank.

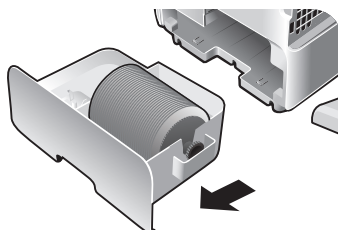


② Remove water tank.



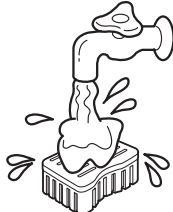
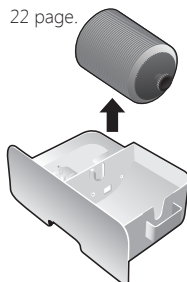
③ Pull water tank out.

- Pull water tank at first and remove water basin part.
- When pulling water tank part, don't remove it by leaning it.
- If you remove water tank by leaning it, it can cause water to overflow the water tank part, which can trigger the danger of electric shock, injury and fire.



④ Pull humidifying filter (Rotor) and Nano-Zilver filter

- When humidifying filter (Rotor) is contaminated, clean it up by referring to 22 page.



- Wash Nano-Zilver filter with flowing water.

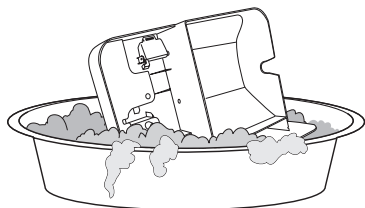
⑤ Dump the water in the water basin

- Make sure to dump the water after removing humidifying filter (Rotor) and Nano-Zilver filter

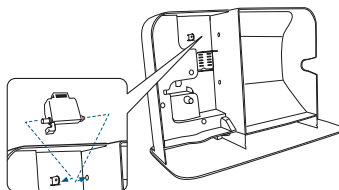




- ⑥ **Clean the water bassin part with a soft sponge and assemble it in the adverse order.**



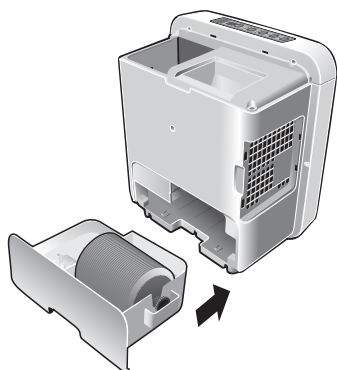
- Install in the order below when the sensor of water level is missing.



- ① Lay the sensor of water level at the bottom of protrusion.
- ② Insert the axis of water level sensor into the hole of water tank part.
- ③ Insert the axis of water level in opposite side into the hole of water tank part.

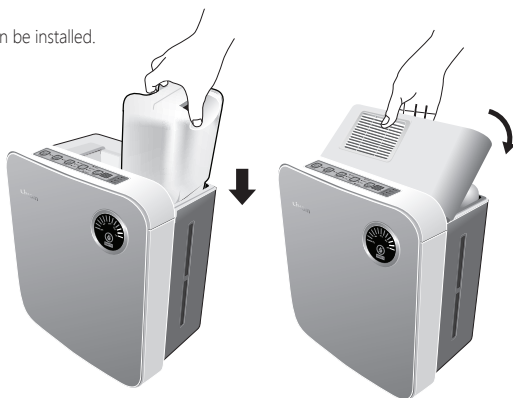
- ⑦ **Install water bassin part into the body frame after putting humidifying filter (Rotor) in.**

- Identify the direction of the insertion in installing the humidity filter into water tank part.
- Put water bassin part into the body frame until 'bang' sounds. (It doesn't operate in case it can be put in completely.)
- after the water bassin is put in first, the water tank can be installed.



- ⑧ **Install water tank and water tank cover into the body frame.**

- Identify the direction of putting water tank and install it.



Clean the humidification filter (Rotor) 2 - 3 per week

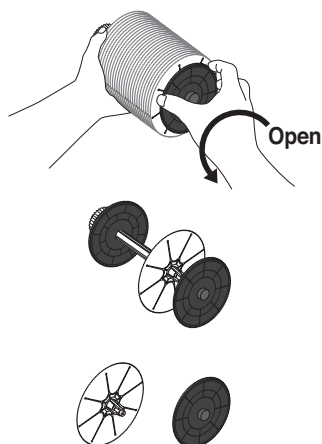


Notice

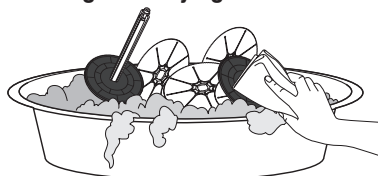
Depending on water quality, water moss can be gathered. Clean it up in case of serious contamination. Don't use benzene, thinner, alkaline detergent, detergent for removing fungi and powdered detergent.

※ Refer how to remove humidifying filter (Rotor) from water tank part to 20 page.

① Disassemble humidifying filter (Rotor).



② Wipe it out with soft sponge after soaking humidifying filter into water.



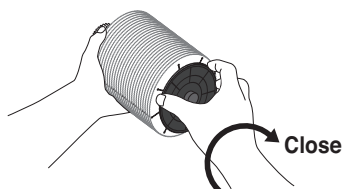
[How to clean up humidifying filter]

If the stain is not removed, soak the tank for 3 hours in tepid water (less than 40°C) where neutral detergent is dissolved and rinse it enough with clean water. (When boiling or washing in a boiling water, the product can be deformed.)

- ▶ When there is difficulty in removing water scum of evaporative filter, wash the filter with citric acid.
 - Put about 30g (3 large spoons) of citric acid and mix citric acid in a container with 1.5 liter of warm water.

③ Assemble humidifying filter (Rotor).

- ① Insert humidifying filter in a groove of axis.

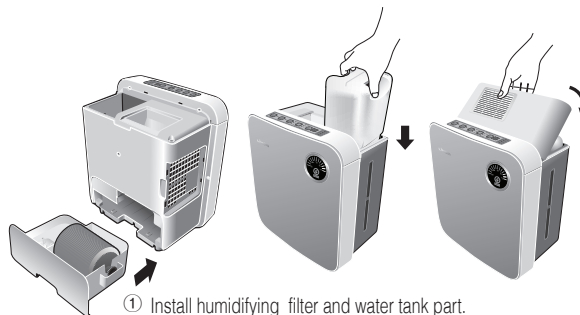


- ② Close the filter after inserting right board into the axis

④ After installing humidifying filter (Rotor) into water bassin, install water tank and water tank cover into the body frame.

- Make sure to put water tank part and install the water tank.

- ② Install water tank and water tank cover.



What if you think there are errors?

Using



- If you think there is an error even after the check as follows, stop using to prevent the accident. And then pull the plug out and contact with customer service center. Tel: +49(0)5921 878-121
E-mail: info@optima-luftreiniger.de
- Don't repair it by yourself because it is a risk to repair the product at home.

Cases	Check as follows	Reference Page
Not working	Is the plug inserted into electrical outlet?	
	Is the water tank part in the back installed well? → Make sure to install it.	21P
	Is the lamp to supply water turned on? → Make sure to install the water tank part in the back. → Fill the water tank with water.	15P
Turning the lamp for complementing water on	Is the water tank containing water? → Fill the water tank with water.	13P
	Is the water tank part missing? → Insert the water tank part to the end.	21P
	Is sensor of water level missing? → Install the sensor of water level.	21P
Leaking water	Is the cap of water tank closed well? → Check the cap of water tank.	13P
	Is the body frame leaned? → Use the body frame in a flat place.	12P
Inside water tank staining with powder	It is the material accumulated with dirt or hard material due to the long term use. → Make sure to clean up periodically.	19~22P
Sounding operation even in stopping condition	Is splashing sound heard? → It comes from the water tank by filling water. (it is not error)	
A little humidity	If the indoor humidity is high or temperature is low, the humidity can be reduced.	14P
	Is air filter closed? → Depending on how to clean up, clean up and use the device.	19P
	You can feel that humidity is low during its use in a spacious place.	



Environmental Protection

Read the manual carefully before using the product. The product is designed to be used in a safe and efficient manner. The product is not to be used for any other purpose than the one intended by the manufacturer.

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Service

Warranty

The manufacturer warrants that the product is free from defects in materials and workmanship for a period of two years from the date of purchase. The warranty is valid only if the product is used in accordance with the instructions in the manual. The warranty does not cover damage caused by misuse, accidents, or unauthorized repairs. The manufacturer is not responsible for consequential damage. The warranty is void if the product is sold in a country other than Germany.

Contact

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Clean Air
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